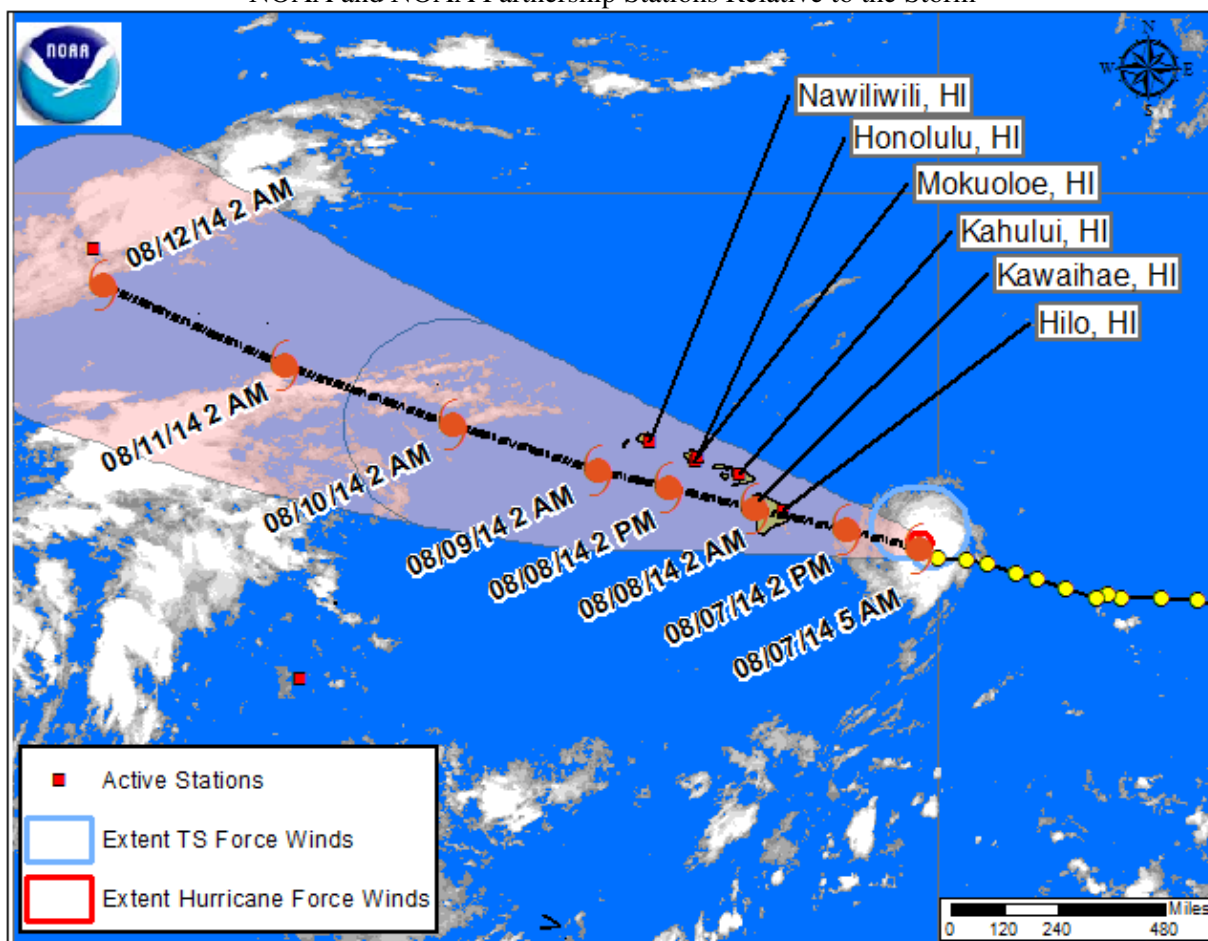




Hurricane ISELLE QuickLook
Posted: 06:00 HST 08/07/2014

NOAA and NOAA Partnership Stations Relative to the Storm



Storm Analysis

As of 08/07/2014 06:00 HST, water levels across most of the Hawaiian Islands are .25 to .35 feet above predicted tide levels. Water levels are .5 to .65 feet above predicted tide levels in Hawaii County. Winds are steady in most locations, with gusts between 10 and 25 knots over the past 6 hours. Barometric pressure continues to follow the normal diurnal cycle.

Water Level and Meteorological plots available below are updated automatically. A line denoting Mean Higher High Water (MHHW) is displayed to provide an approximate indication of when flooding inundation may occur.

For additional data, please see the [Center for Operational Oceanographic Products & Services](#) website. For more information or archived products and reports, please see the [Storm QuickLook](#) Homepage.

Analyst: ADW

SELECT CENTRAL PACIFIC HURRICANE CENTER ADVISORY INFORMATION:

HURRICANE ISELLE ADVISORY NUMBER 30
500 AM HST THU AUG 07 2014

...DANGEROUS ISELLE BEARING DOWN ON THE BIG ISLAND...

WATCHES AND WARNINGS

CHANGES IN WATCHES AND WARNINGS WITH THIS ADVISORY...

A TROPICAL STORM WARNING HAS BEEN ISSUED FOR KAUAI COUNTY.

SUMMARY OF WATCHES AND WARNINGS IN EFFECT...

A HURRICANE WARNING IS IN EFFECT FOR...

* HAWAII COUNTY

A TROPICAL STORM WARNING IS IN EFFECT FOR...

* MAUI COUNTY...INCLUDING THE ISLANDS OF MAUI...MOLOKAI...LANAI...
AND KAHOOLOWE.

* OAHU

* KAUAI COUNTY INCLUDING THE ISLANDS OF KAUAI AND NIIHAU.

A HURRICANE WARNING MEANS THAT HURRICANE CONDITIONS ARE EXPECTED
SOMEWHERE WITHIN THE WARNING AREA. PREPARATIONS TO PROTECT LIFE AND
PROPERTY SHOULD BE RUSHED TO COMPLETION.

A TROPICAL STORM WARNING MEANS THAT TROPICAL STORM CONDITIONS ARE EXPECTED
SOMEWHERE WITHIN THE WARNING AREA WITHIN 36 HOURS.

INTERESTS IN THE NORTHWEST HAWAIIAN ISLANDS SHOULD MONITOR THE PROGRESS OF
ISELLE.

FOR STORM INFORMATION SPECIFIC TO YOUR AREA...PLEASE MONITOR PRODUCTS ISSUED
BY THE NATIONAL WEATHER SERVICE OFFICE IN HONOLULU HAWAII.

DISCUSSION AND 48-HOUR OUTLOOK

AT 500 AM HST THE CENTER OF HURRICANE ISELLE WAS LOCATED ABOUT 305 MI ESE OF
HILO HAWAII AND ABOUT 510 MI ESE OF HONOLULU HAWAII. ISELLE IS MOVING TOWARD
THE WEST-NORTHWEST NEAR 17 MPH AND THIS MOTION IS EXPECTED TO CONTINUE
THROUGH FRIDAY...WITH SOME SLOWING IN FORWARD SPEED ON FRIDAY NIGHT. ON THE
FORECAST TRACK...THE CENTER OF ISELLE IS EXPECTED TO PASS OVER THE BIG ISLAND
TONIGHT...AND PASS JUST SOUTH OF THE SMALLER ISLANDS FRIDAY.

MAXIMUM SUSTAINED WINDS ARE NEAR 80 MPH WITH HIGHER GUSTS. SOME WEAKENING
IS FORECAST DURING THE NEXT 48 HOURS...BUT ISELLE IS EXPECTED TO BE NEAR

HURRICANE STRENGTH AS IT MAKES LANDFALL ON THE BIG ISLAND TONIGHT.

HURRICANE FORCE WINDS EXTEND OUTWARD UP TO 35 MILES FROM THE CENTER...AND TROPICAL STORM FORCE WINDS EXTEND OUTWARD UP TO 140 MILES.

THE ESTIMATED MINIMUM CENTRAL PRESSURE IS 986 MB.

HAZARDS AFFECTING LAND

WIND...THE ONSET OF TROPICAL STORM CONDITIONS IS EXPECTED ON THE BIG ISLAND OF HAWAII THIS AFTERNOON...WITH HURRICANE CONDITIONS EXPECTED TONIGHT. TROPICAL STORM CONDITIONS ARE EXPECTED OVER MAUI COUNTY TONIGHT...OVER OAHU ON FRIDAY...AND OVER KAUAI COUNTY ON FRIDAY AFTERNOON.

SURF...VERY LARGE AND DAMAGING SURF IS EXPECTED TO RAPIDLY BUILD ALONG EAST AND SOUTH FACING SHORES TODAY AND TONIGHT...ESPECIALLY ON THE BIG ISLAND.

RAINFALL...RAINFALL TOTALS OF 5 TO 8 INCHES...WITH ISOLATED MAXIMUM AMOUNTS TO 12 INCHES...ARE EXPECTED ALONG THE TRACK OF ISELLE. THESE RAINS COULD CAUSE LIFE-THREATENING FLASH FLOODS AS WELL AS ROCK AND MUD SLIDES.

STORM SURGE...THE COMBINATION OF A DANGEROUS STORM SURGE AND THE TIDE WILL CAUSE NORMALLY DRY AREAS NEAR THE COAST TO BE FLOODED BY RISING WATERS. THE WATER COULD REACH THE FOLLOWING HEIGHTS ABOVE GROUND IF THE PEAK SURGE OCCURS AT THE TIME OF HIGH TIDE...

BIG ISLAND WINDWARD AND KAU...1 TO 3 FT

THE HIGHEST WATER WILL OCCUR ALONG THE IMMEDIATE COAST IN AREAS OF ONSHORE FLOW. THE SURGE WILL BE ACCOMPANIED BY LARGE AND DAMAGING WAVES. SURGE RELATED FLOODING DEPENDS ON THE RELATIVE TIMING OF THE SURGE AND THE TIDAL CYCLE...AND CAN VARY GREATLY OVER SHORT DISTANCES.

NEXT ADVISORY

NEXT INTERMEDIATE ADVISORY...800 AM HST.

NEXT COMPLETE ADVISORY...1100 AM HST.

FORECASTER BIRCHARD

For the purpose of timely release, data contained within this QuickLook have undergone a "limited" NOS Quality Assurance/Control; however, the data have not yet undergone final verification. All data subject to NOS verification.

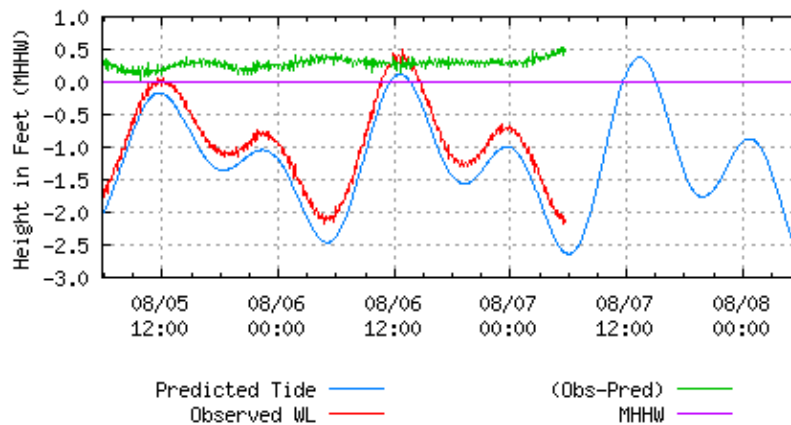
Jump to: [Hilo, Hilo Bay, Kuhio Bay - Water Level](#), [Hilo, Hilo Bay, Kuhio Bay - Winds](#), [Hilo, Hilo Bay, Kuhio Bay - Barometric](#), [Kawaihae - Water Level](#), [Kawaihae - Winds](#), [Kahului, Kahului Harbor - Water Level](#), [Kahului, Kahului Harbor - Winds](#), [Kahului, Kahului Harbor - Barometric](#), [Mokuoloe - Water Level](#),

Hurricane ISELLE QuickLook, POSTED 06:00 HST 08/07/2014

Mokuoloe - Winds, Mokuoloe - Barometric, Honolulu - Water Level, Honolulu - Winds, Honolulu - Barometric, Nawiliwili - Water Level

Hurricane ISELLE QuickLook, POSTED 06:00 HST 08/07/2014

NOAA/NOS/CO-OPS 1617760 Hilo, Hilo Bay, Kuhio Bay, HI
Preliminary Water Level, relative to Mean Higher High Water (MHHW)



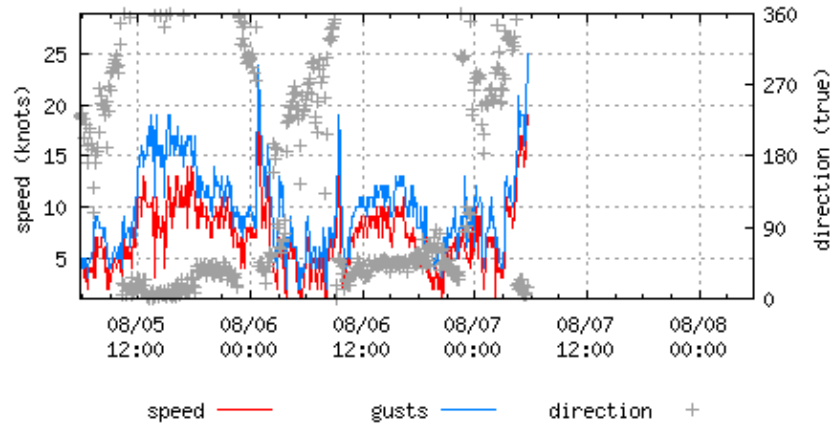
Last Observed Sample: 08/07/2014 05:42 (HST). Data relative to MHHW

Observed: -2.07 ft. Predicted: -2.63 ft. Residual: 0.56 ft.

Historical Maximum Water Level: Jan 20 1981, 1.37 ft.

Next High Tide: 08/07/2014 13:21 (HST), 0.38 ft.

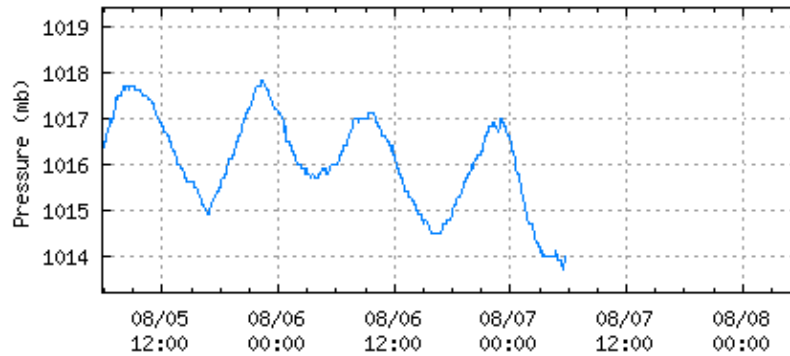
NOAA/NOS/CO-OPS 1617760 Hilo, Hilo Bay, Kuhio Bay, HI
Wind Speed / Gusts / Direction



Last Observed Sample: 08/07/2014 05:42 (HST)

Wind Speed: 17 knots Gusts: 26 knots Direction: 31° T

NOAA/NOS/CO-OPS 1617760 Hilo, Hilo Bay, Kuhio Bay, HI
Barometric Pressure

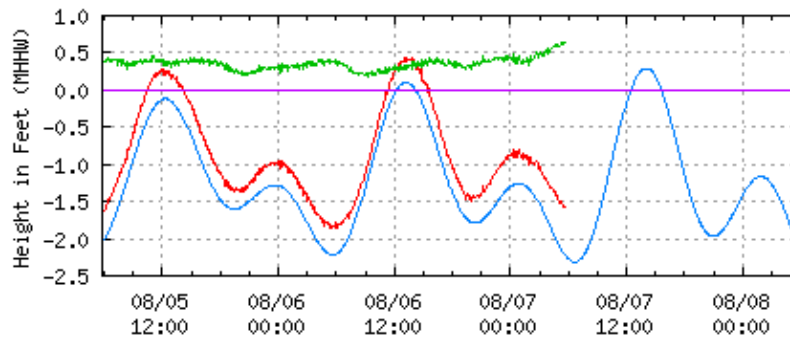


barometric pressure —

Last Observed Sample: 08/07/2014 05:42 (HST)

Barometric Pressure: 1014.0 mb

NOAA/NOS/CO-OPS 1617433 Kawaihae, HI
Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Predicted Tide —

Observed WL —

(Obs-Pred) —

MHHW —

Last Observed Sample: 08/07/2014 05:48 (HST). Data relative to MHHW

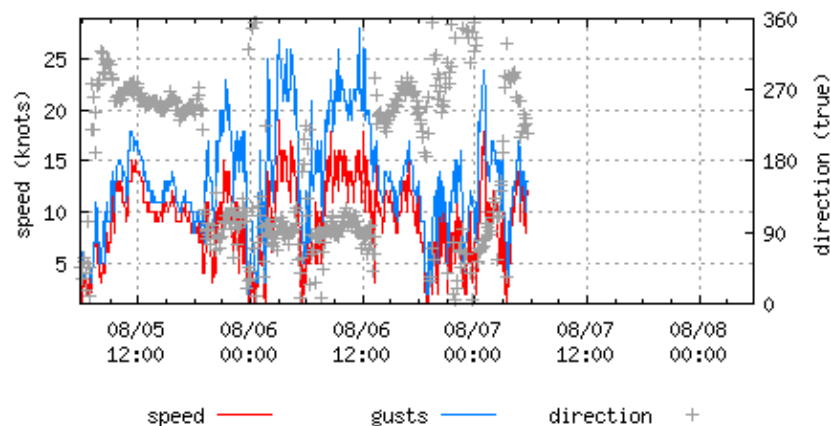
Observed: -1.64 ft. Predicted: -2.25 ft. Residual: 0.61 ft.

Historical Maximum Water Level: Dec 13 2008, 1.22 ft.

Next High Tide: 08/07/2014 14:01 (HST), 0.29 ft.

NOAA/NOS/CO-OPS 1617433 Kawaihae, HI

Wind Speed / Gusts / Direction

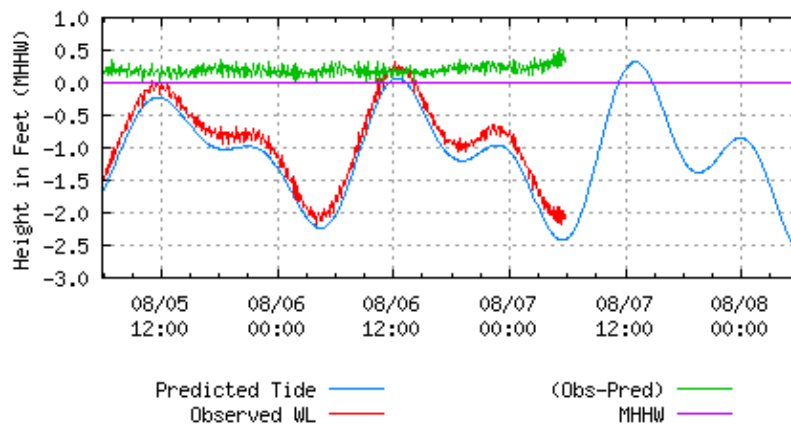


Last Observed Sample: 08/07/2014 05:48 (HST)

Wind Speed: 14 knots Gusts: 15 knots Direction: 227° T

NOAA/NOS/CO-OPS 1615680 Kahului, Kahului Harbor, HI

Preliminary Water Level, relative to Mean Higher High Water (MHHW)



Last Observed Sample: 08/07/2014 05:42 (HST). Data relative to MHHW

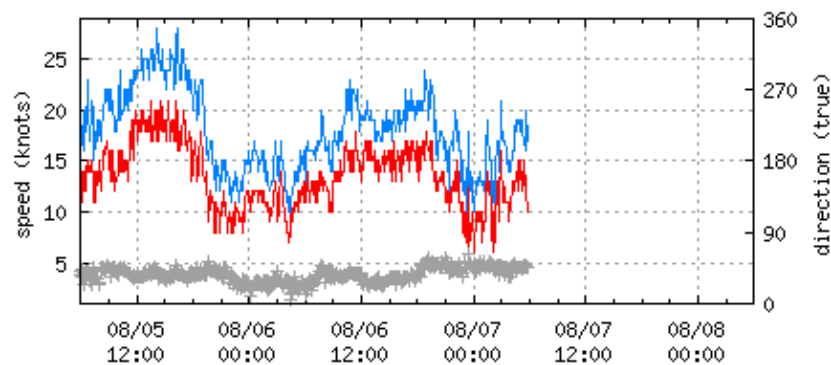
Observed: -2.09 ft. Predicted: -2.42 ft. Residual: 0.33 ft.

Historical Maximum Water Level: Dec 20 1968, 1.23 ft.

Next High Tide: 08/07/2014 13:02 (HST), 0.32 ft.

NOAA/NOS/CO-OPS 1615680 Kahului, Kahului Harbor, HI

Wind Speed / Gusts / Direction



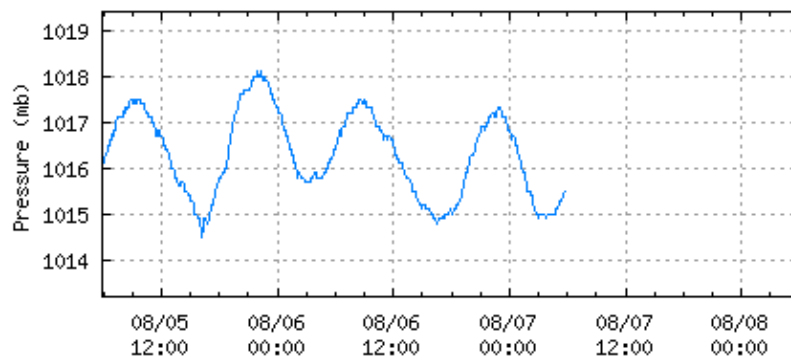
speed — gusts — direction +

Last Observed Sample: 08/07/2014 05:42 (HST)

Wind Speed: 10 knots Gusts: 17 knots Direction: 45° T

NOAA/NOS/CO-OPS 1615680 Kahului, Kahului Harbor, HI

Barometric Pressure

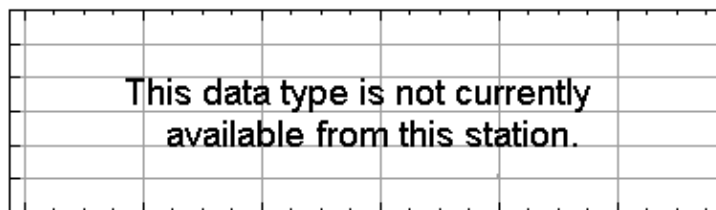


barometric pressure —

Last Observed Sample: 08/07/2014 05:42 (HST)

Barometric Pressure: 1015.5 mb

NOAA/NOS/CO-OPS 1612480 Mokuoloe, HI
NOAA/NOS/CO-OPS



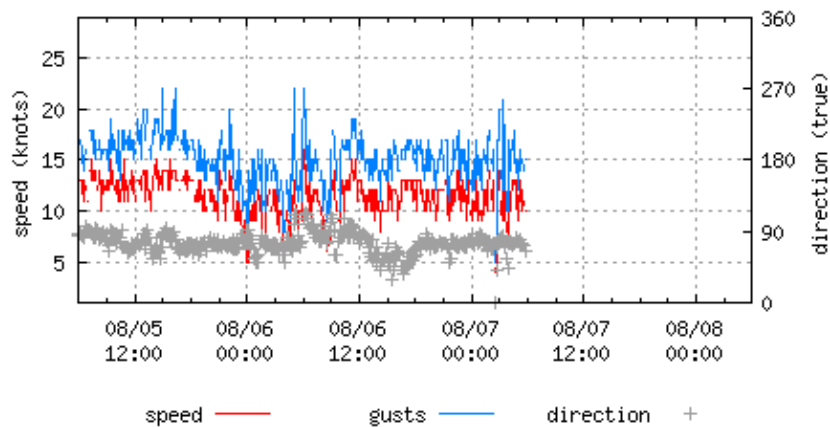
Last Observed Sample: 08/07/2014 05:42 (HST). Data relative to MHHW

Observed: -2.14 ft. Predicted: -2.39 ft. Residual: 0.25 ft.

Historical Maximum Water Level: Jan 8 1974, 1.46 ft.

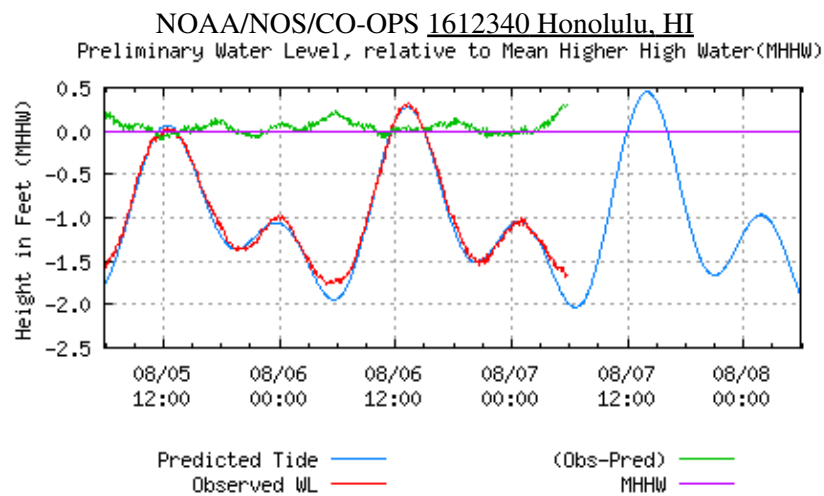
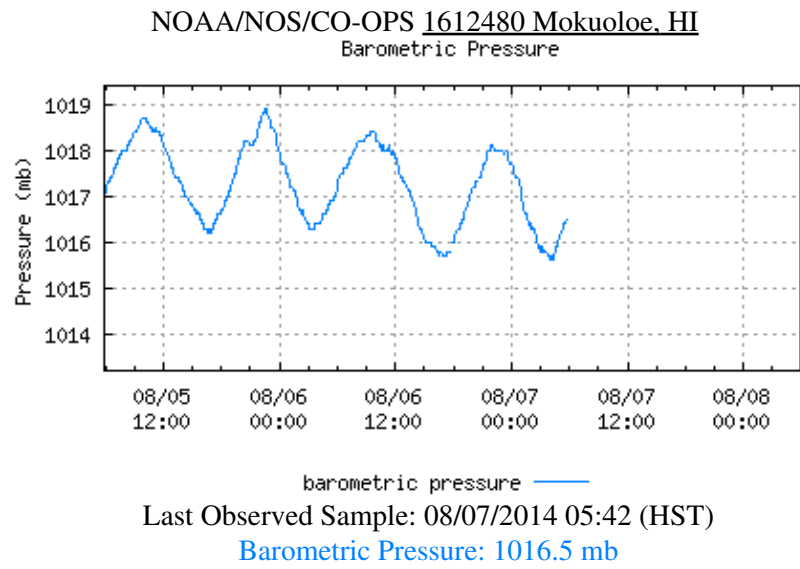
Next High Tide: 08/07/2014 13:14 (HST), 0.28 ft.

NOAA/NOS/CO-OPS 1612480 Mokuoloe, HI
Wind Speed / Gusts / Direction



Last Observed Sample: 08/07/2014 05:42 (HST)

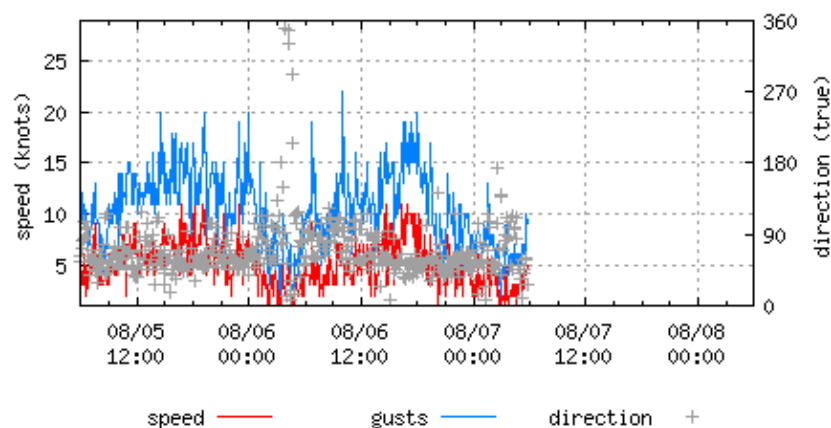
Wind Speed: 10 knots Gusts: 15 knots Direction: 65° T



Last Observed Sample: 08/07/2014 05:42 (HST). Data relative to MHHW
Observed: -1.65 ft. Predicted: -1.96 ft. Residual: 0.31 ft.
Historical Maximum Water Level: Feb 14 1967, 1.49 ft.
Next High Tide: 08/07/2014 14:01 (HST), 0.45 ft.

NOAA/NOS/CO-OPS 1612340 Honolulu, HI

Wind Speed / Gusts / Direction

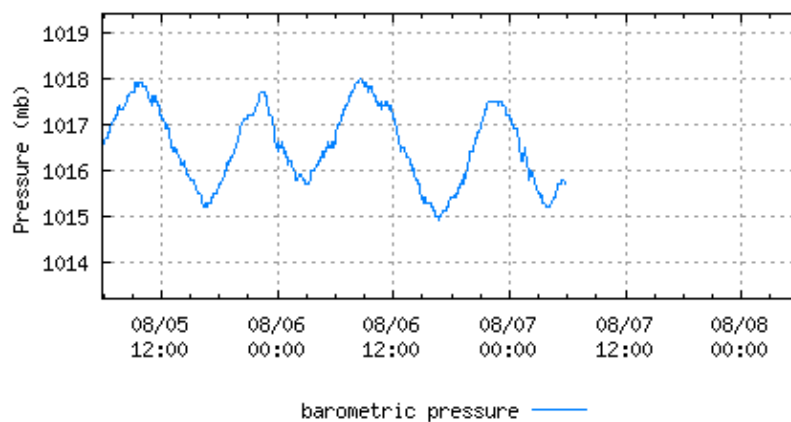


Last Observed Sample: 08/07/2014 05:42 (HST)

Wind Speed: 5 knots Gusts: 9 knots Direction: 26° T

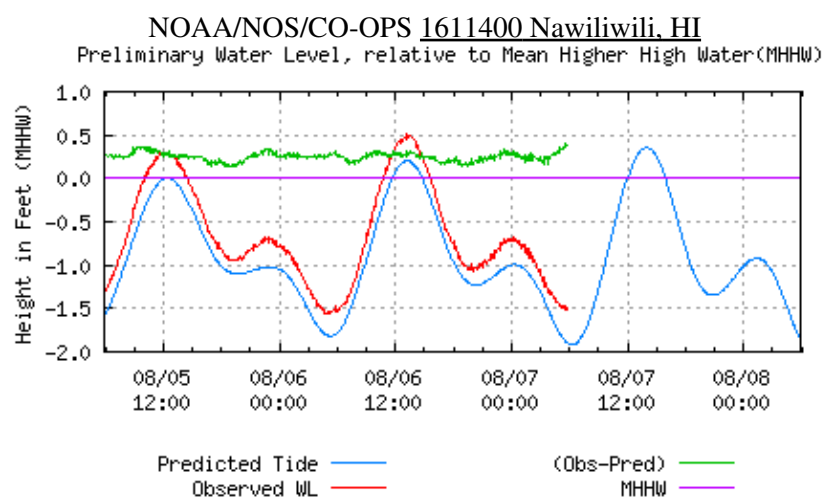
NOAA/NOS/CO-OPS 1612340 Honolulu, HI

Barometric Pressure



Last Observed Sample: 08/07/2014 05:42 (HST)

Barometric Pressure: 1015.7 mb



Last Observed Sample: 08/07/2014 05:42 (HST). Data relative to MHHW

Observed: -1.51 ft. Predicted: -1.89 ft. Residual: 0.38 ft.

Historical Maximum Water Level: Sep 11 1992, 3.15 ft.

Next High Tide: 08/07/2014 13:57 (HST), 0.36 ft.

Hurricane ISELLE QuickLook, POSTED 06:00 HST 08/07/2014

Latest Water Level Observations on MHHW

Station ID	Station Name	Date/Time	Observed Water Level	Predicted Tide	Residual Water Level	24 Hour Maximum Storm Tide
1617760	Hilo, Hilo Bay, Kuhio Bay, HI	08/07/2014 05:42 (HST)	-2.07 ft	-2.63 ft	0.56 ft	0.49 ft
1617433	Kawaihae, HI	08/07/2014 05:48 (HST)	-1.64 ft	-2.25 ft	0.61 ft	0.44 ft
1615680	Kahului, Kahului Harbor, HI	08/07/2014 05:42 (HST)	-2.09 ft	-2.42 ft	0.33 ft	0.31 ft
1612480	Mokuoloe, HI	08/07/2014 05:42 (HST)	-2.14 ft	-2.39 ft	0.25 ft	0.13 ft
1612340	Honolulu, HI	08/07/2014 05:42 (HST)	-1.65 ft	-1.96 ft	0.31 ft	0.33 ft
1611400	Nawiliwili, HI	08/07/2014 05:42 (HST)	-1.51 ft	-1.89 ft	0.38 ft	0.52 ft

Center for Operational Oceanographic Products & Services (CO-OPS) | National Ocean Service (NOS)
National Oceanic and Atmospheric Administration | U.S. Department of Commerce